

CRF Errors Corrected by the STIC Systems Branch

Serial Number: 08/572,027

CRF Processing Date: 2/13/95
 Edited by: mf
 Verified by: mf (STIC staff)

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: **ENTERED**
- ☒ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/572,027DATE: 02/13/96
TIME: 15:44:12

INPUT SET: S8732.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

Does Not Comply

(1) General Information:

(i) APPLICANT: DeBonte, L. et al.

(ii) TITLE OF INVENTION: PLANTS HAVING MUTANT SEQUENCES THAT CONFER
ALTERED FATTY ACID PROFILES

(iii) NUMBER OF SEQUENCES: 8

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Fish & Richardson, P.C., P.A.

(B) STREET: 60 South Sixth Street, Suite 3300

(C) CITY: Minneapolis

(D) STATE: MN

(E) COUNTRY: USA

(F) ZIP: 55402

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk

(B) COMPUTER: IBM PC compatible

(C) OPERATING SYSTEM: PC-DOS/MS-DOS

(D) SOFTWARE: PatentIn Release #1.0, Version #1.30

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: US 08/416,497

(B) FILING DATE: 04-APR-1995

(C) CLASSIFICATION:

(vi) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US 08/170,886

(B) FILING DATE: 21-DEC-1993

(C) CLASSIFICATION:

(vi) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US 07/739,965

(B) FILING DATE: 05-AUG-1991

(C) CLASSIFICATION:

(vi) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US 07/575,542

(B) FILING DATE: 30-AUG-1990

(C) CLASSIFICATION:

(viii) ATTORNEY/AGENT INFORMATION:

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/572,027DATE: 02/13/96
TIME: 15:44:15

INPUT SET: S8732.raw

47 (A) NAME: Ellinger, Mark S.
48 (B) REGISTRATION NUMBER: 34,812
49 (C) REFERENCE/DOCKET NUMBER: A21-535.10
50
51 (ix) TELECOMMUNICATION INFORMATION:
52 (A) TELEPHONE: 612/335-5070
53 (B) TELEFAX: 612/288-9696
54
55 (2) INFORMATION FOR SEQ ID NO:1:
56
57 (i) SEQUENCE CHARACTERISTICS:
58 (A) LENGTH: 1155 base pairs
59 (B) TYPE: nucleic acid
60 (C) STRANDEDNESS: single
61 (D) TOPOLOGY: linear
62
63 (ii) MOLECULE TYPE: DNA
64
65 (iii) HYPOTHETICAL: NO
66
67 (iv) ANTI-SENSE: NO
68
69 (vi) ORIGINAL SOURCE:
70 (A) ORGANISM: Brassica napus
71
72 (ix) FEATURE:
73 (D) OTHER INFORMATION: Wild type D form.
74
75
76 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
77
78 ATG GGT GCA GGT GGA AGA ATG CAA GTG TCT CCT CCC TCC AAG AAG TCT 48
79 Met Gly Ala Gly Gly Arg Met Gln Val Ser Pro Pro Ser Lys Lys Ser
80 1 5 10 15
81
82 GAA ACC GAC ACC ATC AAG CGC GTA CCC TGC GAG ACA CCG CCC TTC ACT 96
83 Glu Thr Asp Thr Ile Lys Arg Val Pro Cys Glu Thr Pro Pro Phe Thr
84 20 25 30
85
86 GTC GGA GAA CTC AAG AAA GCA ATC CCA CCG CAC TGT TTC AAA CGC TCG 144
87 Val Gly Glu Leu Lys Lys Ala Ile Pro Pro His Cys Phe Lys Arg Ser
88 35 40 45
89
90 ATC CCT CGC TCT TTC TCC TAC CTC ATC TGG GAC ATC ATC ATA GCC TCC 192
91 Ile Pro Arg Ser Phe Ser Tyr Leu Ile Trp Asp Ile Ile Ala Ser
92 50 55 60
93
94 TGC TTC TAC TAC NTC GCC ACC ACT TAC TTC CCT CTC CTC CCT CAC CCT 240
95 Cys Phe Tyr Tyr Xaa Ala Thr Thr Tyr Phe Pro Leu Leu Pro His Pro
96 65 70 75 80
97
98 CTC TCC TAC TTC GCC TGG CCT CTC TAC TGG GCC TGC CAA GGG TGC GTC 288
99 Leu Ser Tyr Phe Ala Trp Pro Leu Tyr Trp Ala Cys Gln Gly Cys Val

RAW SEQUENCE LISTING PATENT APPLICATION US/08/572,027

DATE: 02/13/96
TIME: 15:44:17

INPUT SET: S8732.raw

	85	90	95	
100				
101				
102	CTA ACC GGC GTC TGG GTC ATA GCC CAC GAA TGC GGC CAC CAC GCC TTC			336
103	Leu Thr Gly Val Trp Val Ile Ala His Glu Cys Gly His His Ala Phe			
104	100	105	110	
105				
106	AGC GAC TAC CAG TGG CTT GAC GAC ACC GTC GGT CTC ATC TTC CAC TCC			384
107	Ser Asp Tyr Gln Trp Leu Asp Asp Thr Val Gly Leu Ile Phe His Ser			
108	115	120	125	
109				
110	TTC CTC CTC GTC CCT TAC TTC TCC TGG AAG TAC AGT CAT CGC AGC CAC			432
111	Phe Leu Leu Val Pro Tyr Phe Ser Trp Lys Tyr Ser His Arg Ser His			
112	130	135	140	
113				
114	CAT TCC AAC ACT GGC TCC CTC GAG AGA GAC GAA GTG TTT GTC CCC AAG			480
115	His Ser Asn Thr Gly Ser Leu Glu Arg Asp Glu Val Phe Val Pro Lys			
116	145	150	155	160
117				
118	AAG AAG TCA GAC ATC AAG TGG TAC GGC AAG TAC CTC AAC AAC CCT TTG			528
119	Lys Lys Ser Asp Ile Lys Trp Tyr Gly Lys Tyr Leu Asn Asn Pro Leu			
120	165	170	175	
121				
122	GGA CGC ACC GTG ATG TTA ACG GTT CAG TTC ACT CTC GGC TGG CCG TTG			576
123	Gly Arg Thr Val Met Leu Thr Val Gln Phe Thr Leu Gly Trp Pro Leu			
124	180	185	190	
125				
126	TAC TTA GCC TTC AAC GTC TCG GGA AGA CCT TAC GAC GGC GGC TTC CGT			624
127	Tyr Leu Ala Phe Asn Val Ser Gly Arg Pro Tyr Asp Gly Gly Phe Arg			
128	195	200	205	
129				
130	TGC CAT TTC CAC CCC AAC GCT CCC ATC TAC AAC GAC CGC GAG CGT CTC			672
131	Cys His Phe His Pro Asn Ala Pro Ile Tyr Asn Asp Arg Glu Arg Leu			
132	210	215	220	
133				
134	CAG ATA TAC ATC TCC GAC GCT GGC ATC CTC GCC GTC TGC TAC GGT CTC			720
135	Gln Ile Tyr Ile Ser Asp Ala Gly Ile Leu Ala Val Cys Tyr Gly Leu			
136	225	230	235	240
137				
138	TTC CGT TAC GCC GCC GGC CAG GGA GTG GCC TCG ATG GTC TGC TTC TAC			768
139	Phe Arg Tyr Ala Ala Gly Gln Gly Val Ala Ser Met Val Cys Phe Tyr			
140	245	250	255	
141				
142	GGA GTC CCG CTT CTG ATT GTC AAT GGT TTC CTC GTG TTG ATC ACT TAC			816
143	Gly Val Pro Leu Leu Ile Val Asn Gly Phe Leu Val Leu Ile Thr Tyr			
144	260	265	270	
145				
146	TTG CAG CAC ACG CAT CCT TCC CTG CCT CAC TAC GAT TCG TCC GAG TGG			864
147	Leu Gln His Thr His Pro Ser Leu Pro His Tyr Asp Ser Ser Glu Trp			
148	275	280	285	
149				
150	GAT TGG TTC AGG GGA GCT TTG GCT ACC GTT GAC AGA GAC TAC GGA ATC			912
151	Asp Trp Phe Arg Gly Ala Leu Ala Thr Val Asp Arg Asp Tyr Gly Ile			
152	290	295	300	

RAW SEQUENCE LISTING PATENT APPLICATION US/08/572,027

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TIME: 15:44:20

INPUT SET: S8732.raw

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153
154   TTG AAC AAG GTC TTC CAC AAT ATT ACC GAC ACG CAC GTG GCC CAT CAT      960
155   Leu Asn Lys Val Phe His Asn Ile Thr Asp Thr His Val Ala His His
156   305                               310                               315                               320
157
158   CCG TTC TCC ACG ATG CCG CAT TAT CAC GCG ATG GAA GCT ACC AAG GCG      1008
159   Pro Phe Ser Thr Met Pro His Tyr His Ala Met Glu Ala Thr Lys Ala
160                               325                               330                               335
161
162   ATA AAG CCG ATA CTG GGA GAG TAT TAT CAG TTC GAT GGG ACG CCG GTG      1056
163   Ile Lys Pro Ile Leu Gly Glu Tyr Tyr Gln Phe Asp Gly Thr Pro Val
164                               340                               345                               350
165
166   GTT AAG GCG ATG TGG AGG GAG GCG AAG GAG TGT ATC TAT GTG GAA CCG      1104
167   Val Lys Ala Met Trp Arg Glu Ala Lys Glu Cys Ile Tyr Val Glu Pro
168                               355                               360                               365
169
170   GAC AGG CAA GGT GAG AAG AAA GGT GTG TTC TGG TAC AAC AAT AAG TTA T      1153
171   Asp Arg Gln Gly Glu Lys Lys Gly Val Phe Trp Tyr Asn Asn Lys Leu
172   370                               375                               380
173
174   GA                                                                    1155
175
176
177   (2) INFORMATION FOR SEQ ID NO:2:
178
179       (i) SEQUENCE CHARACTERISTICS:
180           (A) LENGTH: 384 amino acids
181           (B) TYPE: amino acid
182           (D) TOPOLOGY: linear
183
184       (ii) MOLECULE TYPE: protein
185
186       (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
187
188   Met Gly Ala Gly Gly Arg Met Gln Val Ser Pro Pro Ser Lys Lys Ser
189       1                               5                               10                               15
190
191   Glu Thr Asp Thr Ile Lys Arg Val Pro Cys Glu Thr Pro Pro Phe Thr
192       20                               25                               30
193
194   Val Gly Glu Leu Lys Lys Ala Ile Pro Pro His Cys Phe Lys Arg Ser
195       35                               40                               45
196
197   Ile Pro Arg Ser Phe Ser Tyr Leu Ile Trp Asp Ile Ile Ile Ala Ser
198       50                               55                               60
199
200   Cys Phe Tyr Tyr Xaa Ala Thr Thr Tyr Phe Pro Leu Leu Pro His Pro
201       65                               70                               75                               80
202
203   Leu Ser Tyr Phe Ala Trp Pro Leu Tyr Trp Ala Cys Gln Gly Cys Val
204       85                               90                               95
205

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RAW SEQUENCE LISTING PATENT APPLICATION US/08/572,027

DATE: 02/13/96
TIME: 15:44:23

INPUT SET: S8732.raw

206	Leu Thr Gly Val Trp Val Ile Ala His Glu Cys Gly His His Ala Phe	
207	100	105 110
208		
209	Ser Asp Tyr Gln Trp Leu Asp Asp Thr Val Gly Leu Ile Phe His Ser	
210	115	120 125
211		
212	Phe Leu Leu Val Pro Tyr Phe Ser Trp Lys Tyr Ser His Arg Ser His	
213	130	135 140
214		
215	His Ser Asn Thr Gly Ser Leu Glu Arg Asp Glu Val Phe Val Pro Lys	
216	145	150 155 160
217		
218	Lys Lys Ser Asp Ile Lys Trp Tyr Gly Lys Tyr Leu Asn Asn Pro Leu	
219	165	170 175
220		
221	Gly Arg Thr Val Met Leu Thr Val Gln Phe Thr Leu Gly Trp Pro Leu	
222	180	185 190
223		
224	Tyr Leu Ala Phe Asn Val Ser Gly Arg Pro Tyr Asp Gly Gly Phe Arg	
225	195	200 205
226		
227	Cys His Phe His Pro Asn Ala Pro Ile Tyr Asn Asp Arg Glu Arg Leu	
228	210	215 220
229		
230	Gln Ile Tyr Ile Ser Asp Ala Gly Ile Leu Ala Val Cys Tyr Gly Leu	
231	225	230 235 240
232		
233	Phe Arg Tyr Ala Ala Gly Gln Gly Val Ala Ser Met Val Cys Phe Tyr	
234	245	250 255
235		
236	Gly Val Pro Leu Leu Ile Val Asn Gly Phe Leu Val Leu Ile Thr Tyr	
237	260	265 270
238		
239	Leu Gln His Thr His Pro Ser Leu Pro His Tyr Asp Ser Ser Glu Trp	
240	275	280 285
241		
242	Asp Trp Phe Arg Gly Ala Leu Ala Thr Val Asp Arg Asp Tyr Gly Ile	
243	290	295 300
244		
245	Leu Asn Lys Val Phe His Asn Ile Thr Asp Thr His Val Ala His His	
246	305	310 315 320
247		
248	Pro Phe Ser Thr Met Pro His Tyr His Ala Met Glu Ala Thr Lys Ala	
249	325	330 335
250		
251	Ile Lys Pro Ile Leu Gly Glu Tyr Tyr Gln Phe Asp Gly Thr Pro Val	
252	340	345 350
253		
254	Val Lys Ala Met Trp Arg Glu Ala Lys Glu Cys Ile Tyr Val Glu Pro	
255	355	360 365
256		
257	Asp Arg Gln Gly Glu Lys Lys Gly Val Phe Trp Tyr Asn Asn Lys Leu	
258	370	375 380

PAGE: 1

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION *US/08/572,027*

DATE: 02/13/96
TIME: 15:44:25

INPUT SET: S8732.raw

Line	Error	Original Text
27	Wrong application Serial Number	(A) APPLICATION NUMBER: US 08/416,497